

**What is Claimed is:**

1. A method for detecting gynecological cancer in a human, the method comprising:
  - (i) obtaining extracellular gynecological fluid,
  - (ii) determining the presence of extracellular heat shock proteins (hsp) in the fluid,wherein the presence of extracellular hsp in the fluid indicates the presence of a gynecological cancer in the human.
2. A method according to claim 1, wherein the hsp is hsp27, hsp70, hsp90 or combinations thereof.
3. A method according to claim 1, wherein the hsp is complexed to a molecule involved in apoptosis.
4. A method according to claim 3, wherein the molecule is a protein.
5. A method according to claim 3, wherein the protein is an apoptotic protein.
6. A method according to claim 5, wherein the apoptotic protein is cytochrome C, APAF-1, caspase or combinations thereof.
7. A method according to claim 1, wherein the fluid is obtained with an absorbent swab.
8. A method according to claim 1, wherein the fluid is obtained with a sponge.
9. A method according to claim 1, wherein the fluid is obtained with an aspirator.
10. A method according to claim 1, wherein the gynecological cancer is endometrial cancer, ovarian cancer, cervical cancer, vulvar cancer, fallopian tube cancer, uterine cancer or combinations thereof.
11. A method according to claim 1, wherein the presence of extracellular hsp is determined by an enzyme linked immunoabsorbant assay (ELISA).

12. A kit for detecting gynecological cancer in a human, the kit comprising an object capable of removing extracellular gynecological fluid and an antibody specific for hsp.
13. A kit according to claim 12, wherein the object is a cotton swab.
14. A kit according to claim 12, wherein the object is a sponge.
15. A kit according to claim 12, wherein the object is an aspirator.
16. A kit according to claim 15, wherein the aspirator is a syringe.
17. A kit according to claim 15, wherein the aspirator is a pipet.
18. A kit according to claim 12, wherein the kit further comprises at least one of the following: a label, buffers, standards containing hsp, materials for developing colorimetric labels, and materials for stopping colorimetric reactions.